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The Challenge

- **Integrate, Coordinate, and Focus AF Modeling and Simulation to support the Warfighter.**
  - **Align with AF Capabilities Requirements Process**
  - **Ensure Warfighter needs are addressed**
  - **Ensure AF priorities are addressed**
  - **Provide useful framework for entire AF M&S community**

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Process Purpose

- **Integrate, coordinate, focus, and continuously delivery M&S capability to the warfighter**
- **POM year**
  - **Identify priority AF-level M&S issues**
    - **Develop a resource strategy for coordinated POM inputs**
    - **Provide input to APPG for AF-wide M&S POM inputs**
  - **Adjust AF M&S execution priorities based on changed AF warfighter priorities**
  - **Identify and execute priority M&S capabilities suitable for fall-out funding**
- **Off-POM year**
  - **Adjust AF M&S execution priorities based on changed AF warfighter priorities**
  - **Adjust AF M&S execution based on allocated budget**
  - **Identify and execute priority M&S capabilities suitable for fall-out funding**

The Way Ahead

Agile Combat Support CONOPS

- Global Strike CONOPS (Anti-Access)
- Homeland Security CONOPS
- Global Mobility CONOPS
- Global Persistent Attack CONOPS
- Space & C4ISR CONOPS
- *Nuclear Response CONOPS

Master Capabilities Library

1. Surveillance & Reconnaissance
2. Intelligence
3. Command and Control
4. Communications
5. Force Application
6. Force Projection
7. Protect
8. Prepare and Sustain
9. Create the Force

I-CRRA Gaps & Deficiencies

MAJCOM
Ops-led

Thrust IPTs

I-CRRA Priorities

CRRB
MSCRs
Process

Prioritized MSCRs

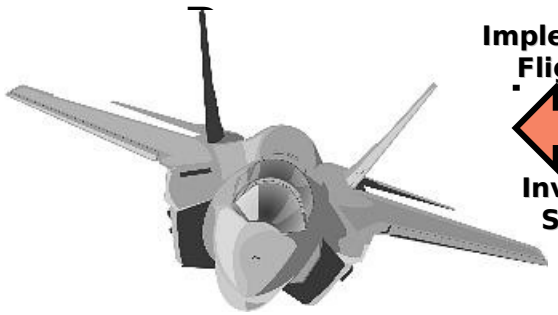
MAJCOM

Thrust IPTs

Implementation/ Flight Plans

Investment Strategy $

Strengthening Air & Space



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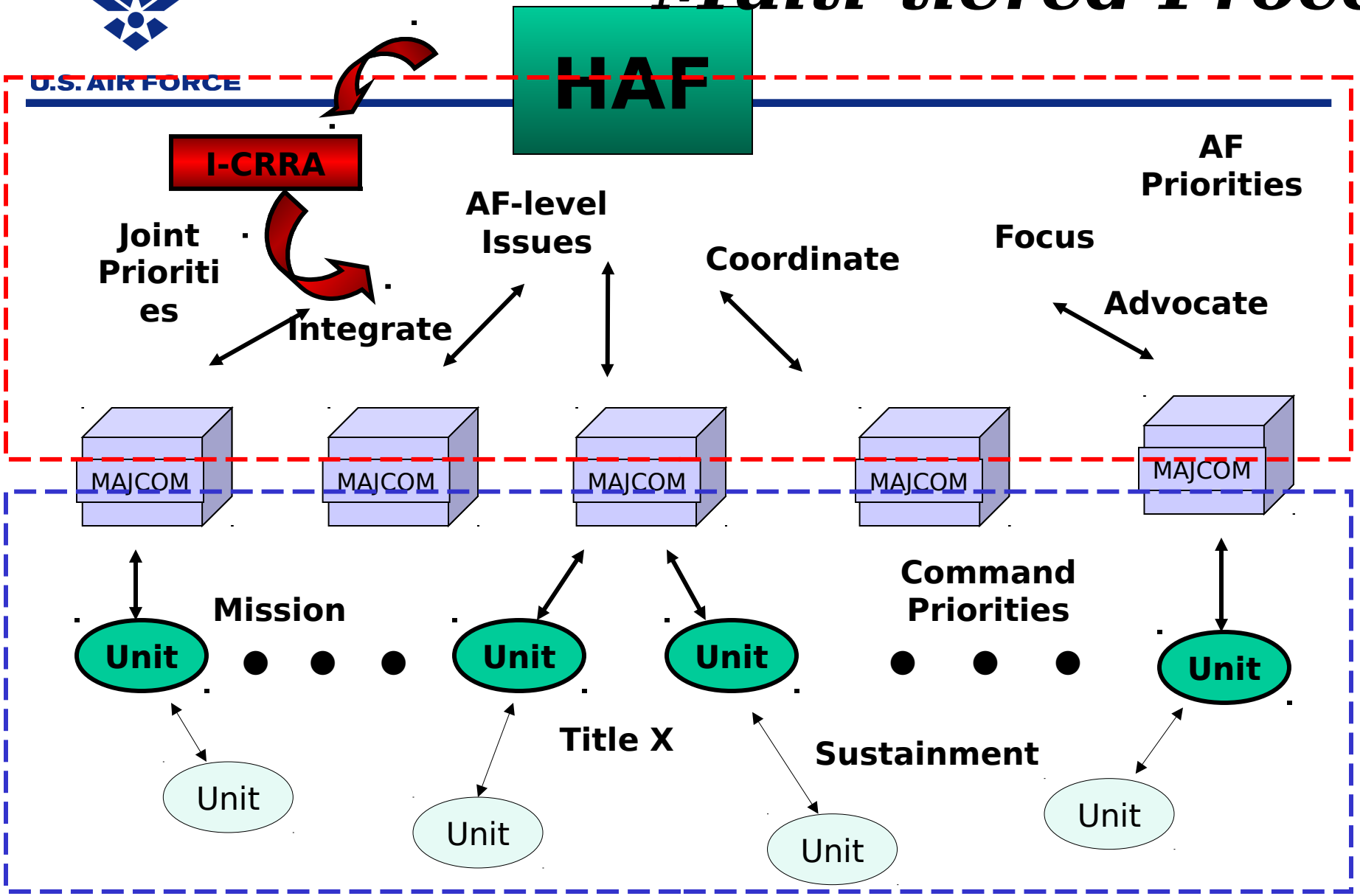
Multi-Tier

- **The TOP TIER is designed to identify, coordinate, and achieve important AF level capabilities that will be funded and led by HqAF, MAJCOMs, or other high-level AF Organizations, and require integration, coordination, and advocacy at the HAF Level.**

- **The Lower Tiers support the MAJCOM level and below in developing their M&S investment strategies to support the Warfighter and can provide useful input into the top tier. They start with MCL derived capability requirements and result in integrated, coordinated, and focused M&S investment plans within the organization.**
- **Provides a framework for organizations throughout AF to discuss and advocate M&S Capability Requirements and investment strategies coherently with top-level AF M&S activities and aligns these activities with Warfighter needs. Details of prioritization and investment may be different.**

Multi-tiered Proce



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Modeling and Simulation Capability Requirement (MSCR)

- **Statement of M&S capability need**
  - **Written in operational terms**
- **Based upon Master Capabilities Library**
- **Providing support to AF-level operational issues**
  - **I-CRRA enabler**
  - **Capabilities integration**
  - **Other AF issues**

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MSCR Content

- Originating organization contact information
- Statement of M&S Capability need (scored)
- Explanation of how proposed Capability supports (specific) MCL tasks (scored)
- Explanation of how proposed Capability provides support to the warfighter and meets AF-level capability requirements (scored)
- When the capability is needed (not scored – subjective evaluation)
- Impact if not provided (not scored – subjective evaluation)

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Results Needed Date

- **Annually – May**
  - **Supports AO-level POM build**
  - **Supports execution year spend plan adjustments**
  - **Provides in-place priority list for fallout funding**

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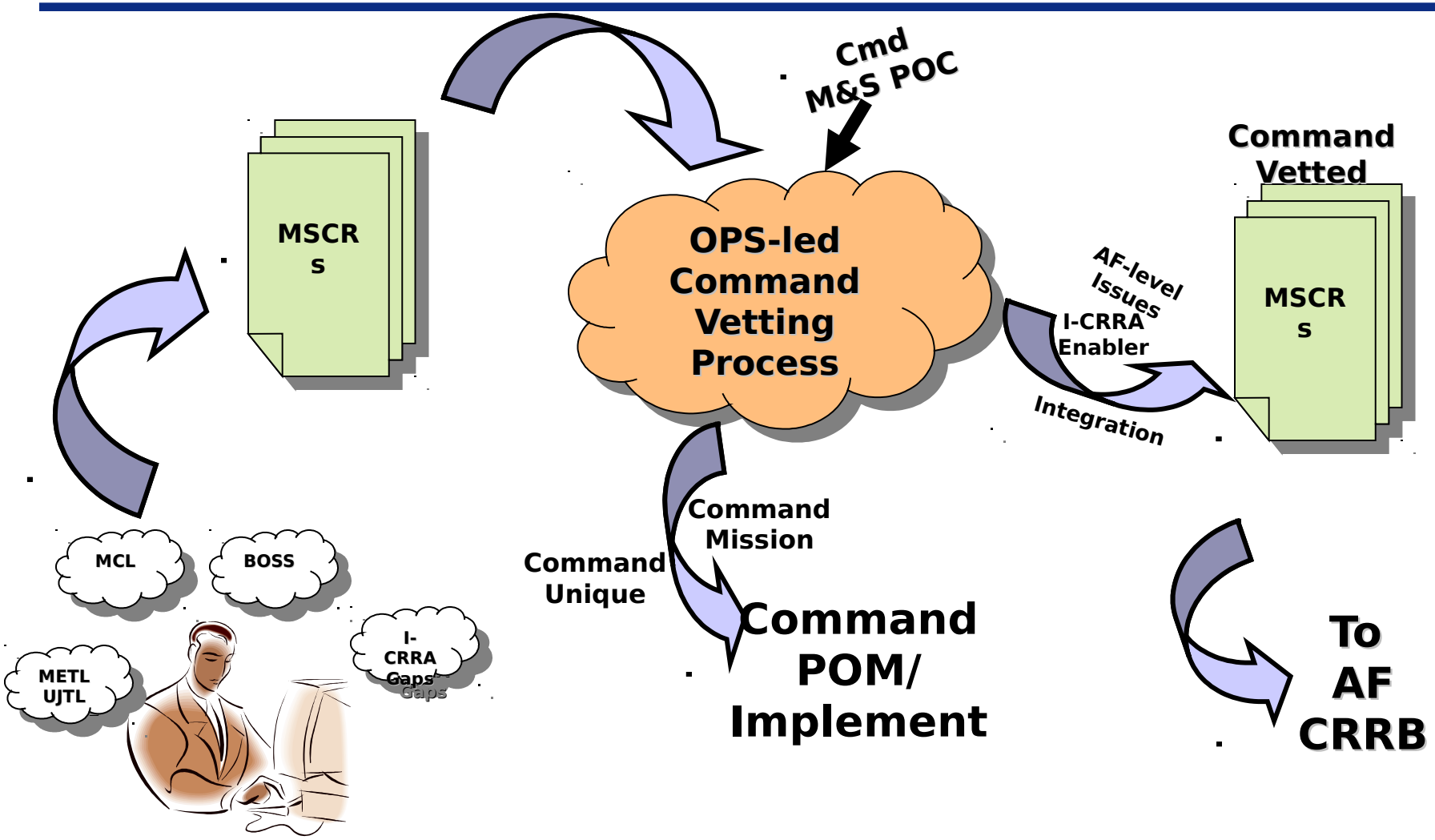
At the MAJCOM level



At the MAJCOM level

Revised

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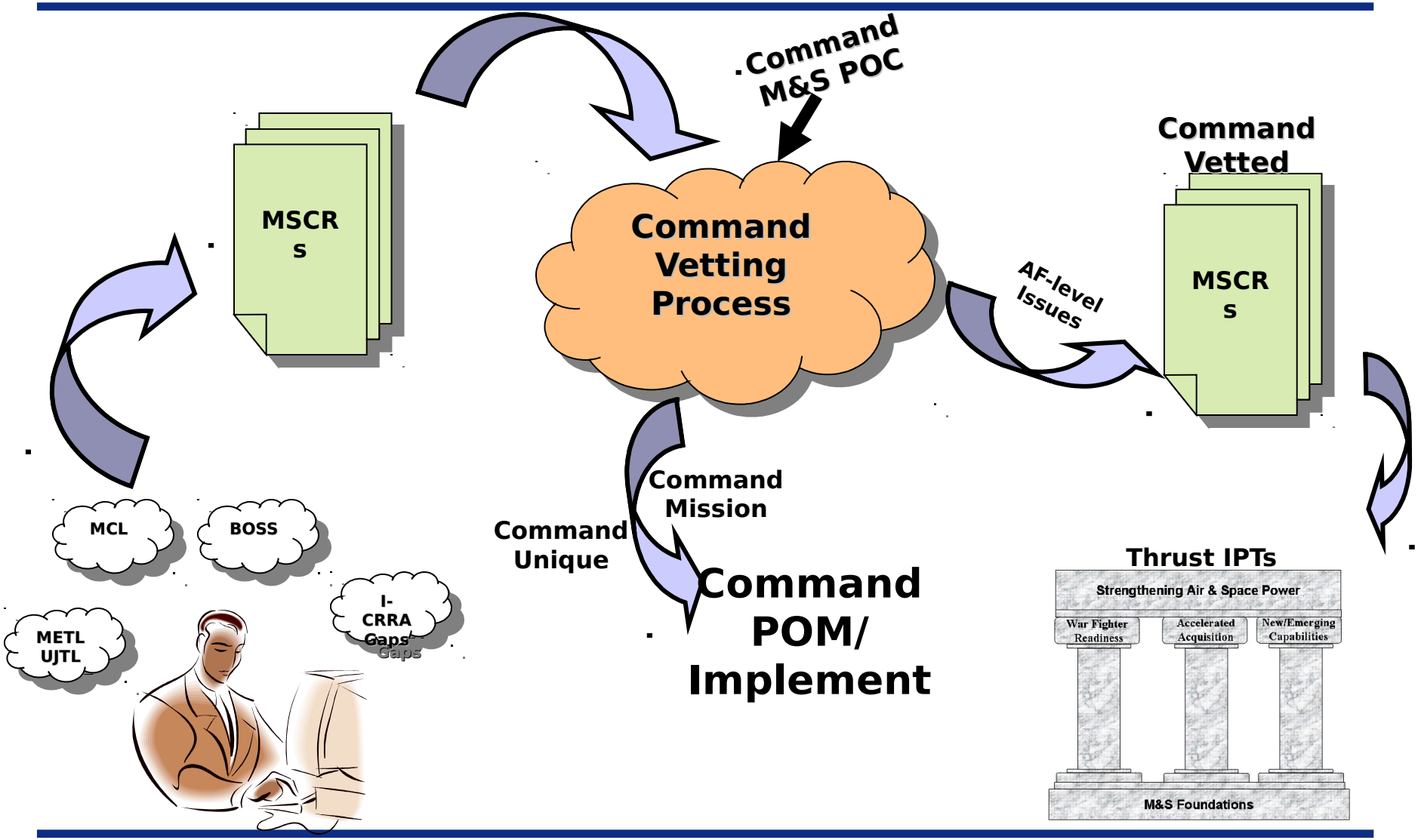

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AF-level Issues

- Will change from year to year
- Current
  - I-CRRA enablers
  - Near-term direct warfighter support
  - Integration opportunities
  - Other GOSG-defined priorities

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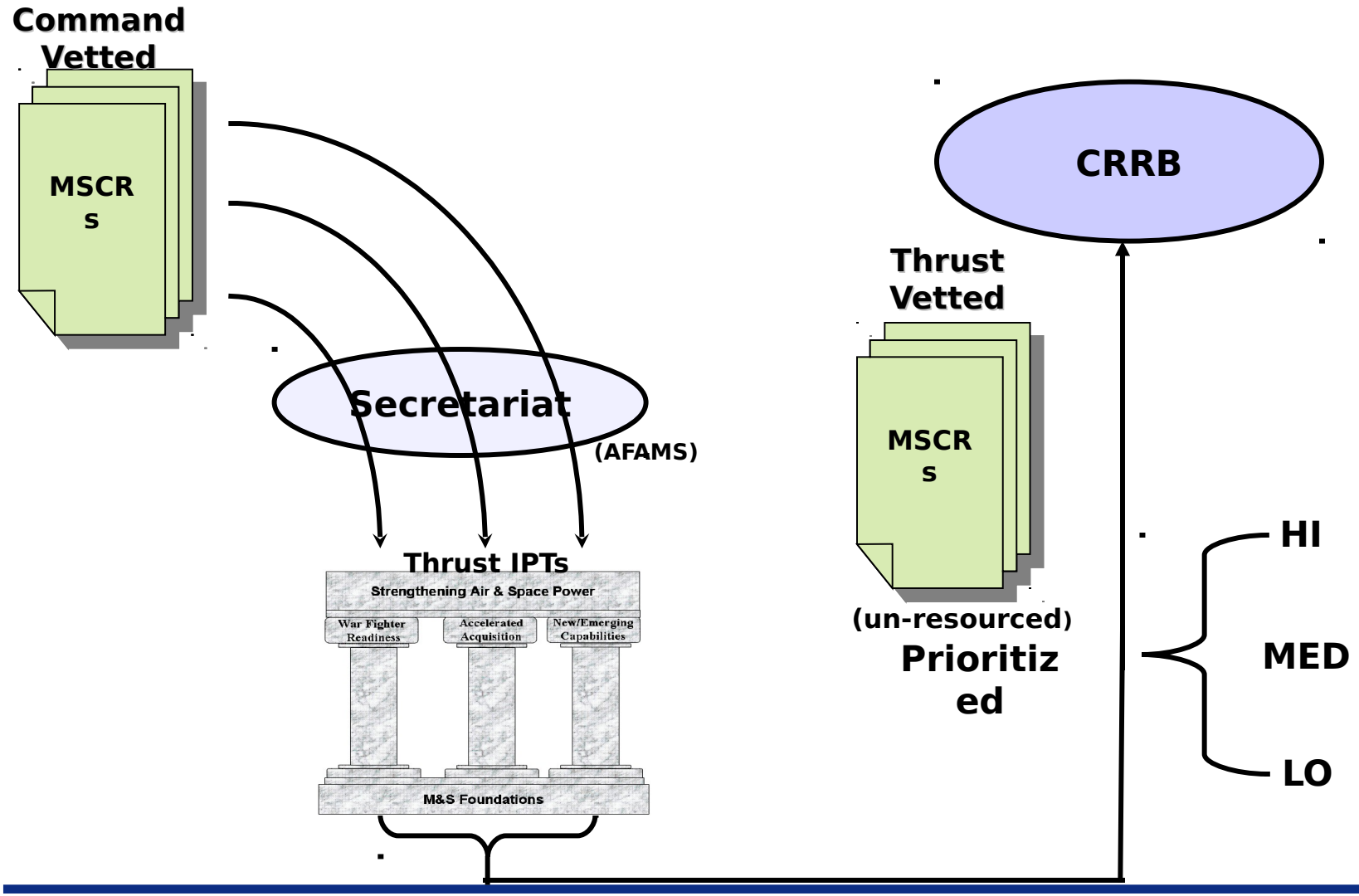
Thrust IPT

New – 1st Pass



Trust IPT
New - 2nd Pass

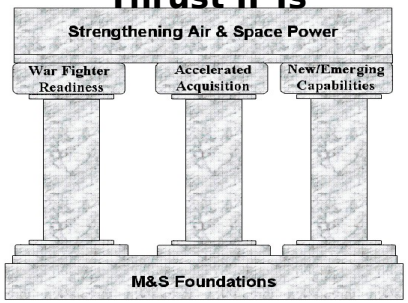
MSCRs to MSAC/GOSG
w/ implementation strategy

CRRB

MAJCOM

Accepted MSCRs- Returned For Implementation Strategy

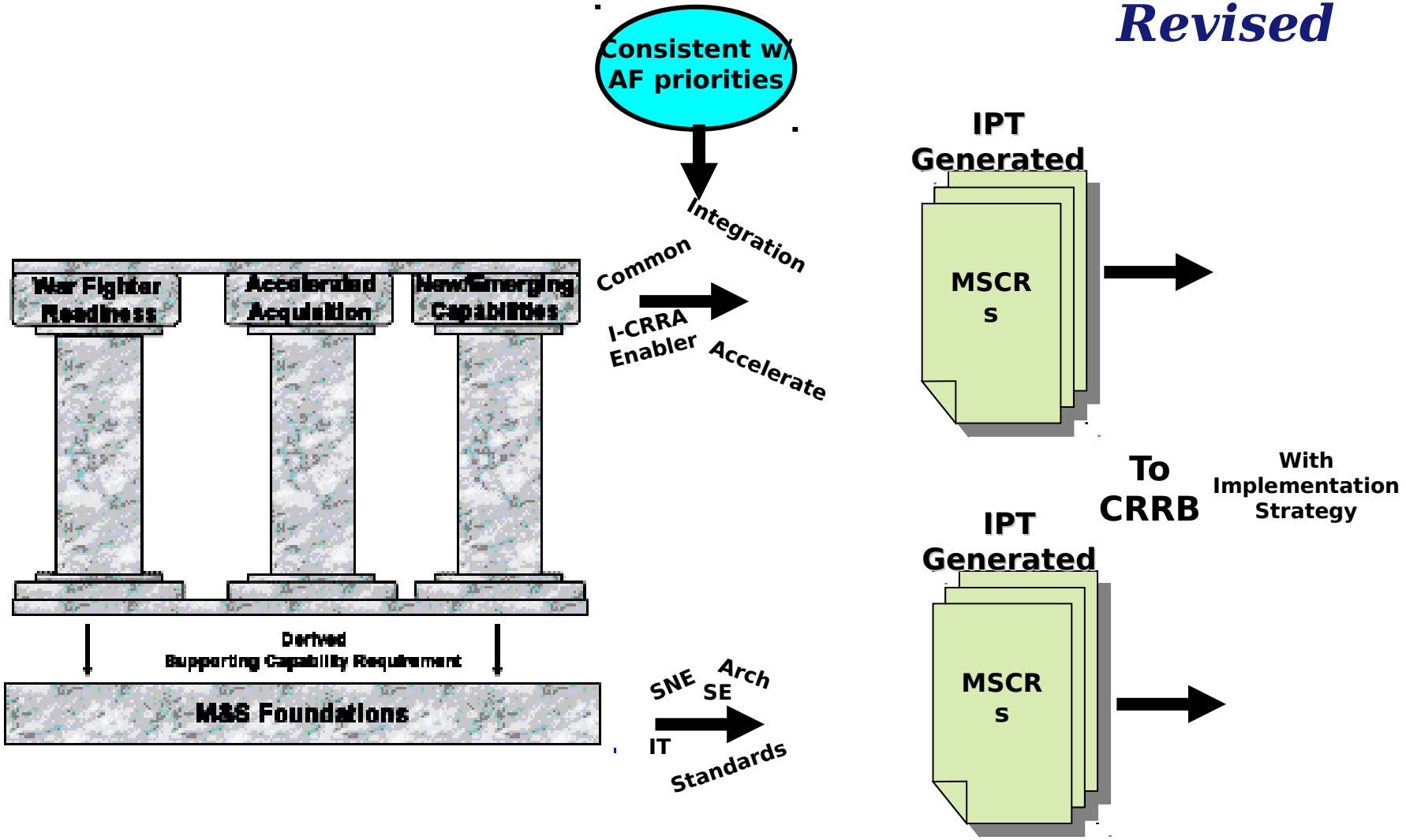
Thrust IPTs



Implementation Strategy Dialog

Thrust IPT Capability Requirements

Revised



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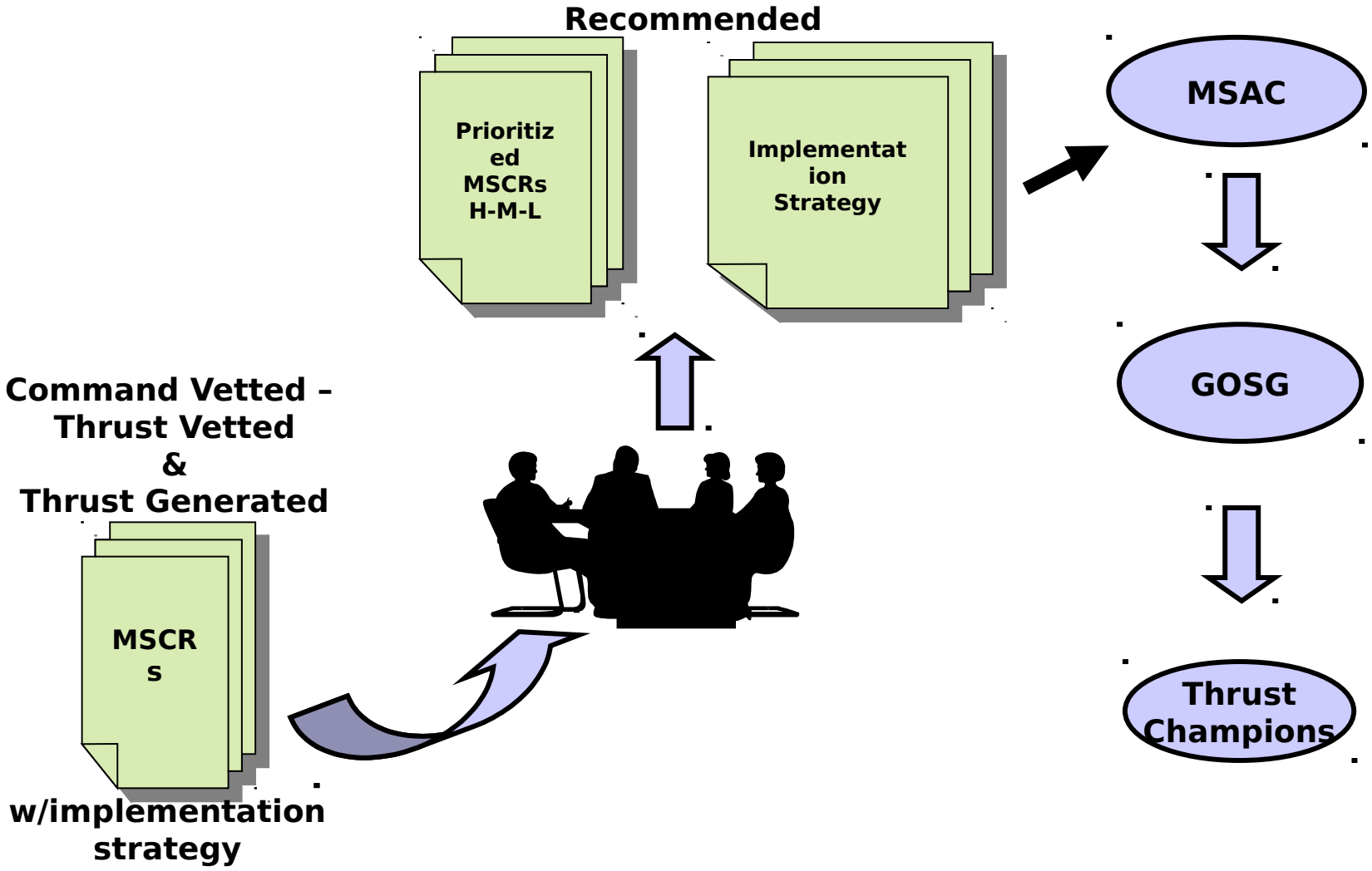
CRRB Review

Revised



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Process – Steady State

- Continuous
  - MSCRs submitted as capability requirements identified
- Notify AF of “last call” 30 days from evaluation process start (virtual)
- Start evaluation process
  - MSCRs sent to Thrust IPTs for 1st pass evaluation (virtual)
  - Thrusts identify priority MSCRs (H-M-L) for CRRB consideration (virtual)
  - CRRB requests implementation strategy for selected MSCRs (IPTs and MAJCOMs work) (virtual)
  - CRRB priorities w/implementation strategy (H-M-L) (live)
  - CRRB briefs MSAC and GOSG (live)
- GOSG approves priorities and implementation strategy
- Process complete NLT May

MAJCOM
Role

- Prepare MSCRs
- Vet MSCRs – Command requirements process
  - Identify Top-level AF issues
    - I-CRRA enabler
    - Integration issues
    - Foundation Issues
    - Issues requiring high-level advocacy and coordination
  - Forward priority issues
- Implement Capabilities
  - AF Priorities
  - Command Priorities

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Thrust (IPT) Executive Agent

Role - revised

- **Integrate, coordinate & focus M&S activities across MAJCOMs to achieve Thrust objectives**
- **Advocate Command-vetted Thrust-centric MSCRs**
  - **Conduct AO/SME quality review of Command-vetted MSCRs**
  - **Identify and prioritize (H-M-L) Command-vetted AF-level issue MSCRs for advocacy to CRRB**
  - **Coordinate implementation strategy with MAJCOMs for MSCRs recommended by CRRB for AF-level review**

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Thrust (IPT) Executive Agent

Role – revised (continued)

- Identify and submit MSCRs supporting Thrust activities, consistent w/AF priorities
  - I-CRRA enablers
  - Integration/acceleration opportunities
  - Common/foundation issues
  - Must include implementation strategy
- Monitor/Coordinate MSCR implementation
  - Develop Thrust Flight/Implementation Plans
  - Propose/report Metrics
- XI overall Thrusts integrator

Secretariat
Role

- Compliance review of MSCRs
  - Capability requirements
  - MCL-based
  - Combine/harmonize duplicates
  - AF-level issue
- Forward to appropriate Thrust IPT(s) for vetting
- Maintain MSCR data base
  - Submitted
  - In work
  - Completed

CRRB
Role

- Review/coordinate Thrust activities
  - Flight/Implementation plans and metrics
  - Identify integration opportunities
  - Identify common/multi-use opportunities
- Review Thrust vetted MSCRs
  - Review/adjust priorities
  - Request/review implementation strategies
- Review MAJCOM priority MSCR for reconsideration
- Recommend MSCRs for MSAC/GOSG consideration
  - Recommend priorities (H-M-L)
  - Recommend Thrust and Champion
  - Recommend implementing agent
  - Recommend investment strategy

Thrust Champion

Role

- **HAF-level advocate for Thrust activities**
- **Establish policy supportive of AF and Thrust M&S goals**
- **Advocate resources for prioritized MSCRS**
- **Coordinate resources among subordinate organizations**
- **Coordinate resource opportunities with other Champions**
- **Provide input to APPG to enhance M&S activities IAW overall AF priorities**